

Unit 1 Review

Target 1A

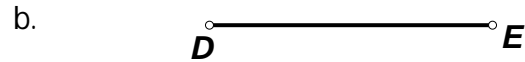
1. Write the statement in symbols **AND** sketch a picture.

Segment AM is congruent to Segment MB \_\_\_\_\_

2. Name the figure shown:



\_\_\_\_\_

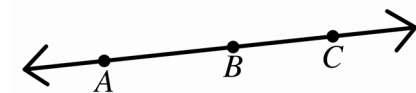


\_\_\_\_\_



\_\_\_\_\_

- d. name two opposite rays.



\_\_\_\_\_

Target 1B

3. Graph and label the points: A(-5, 4), B(6, 4), C(6, -3), and D(6, 0) Targets B & G

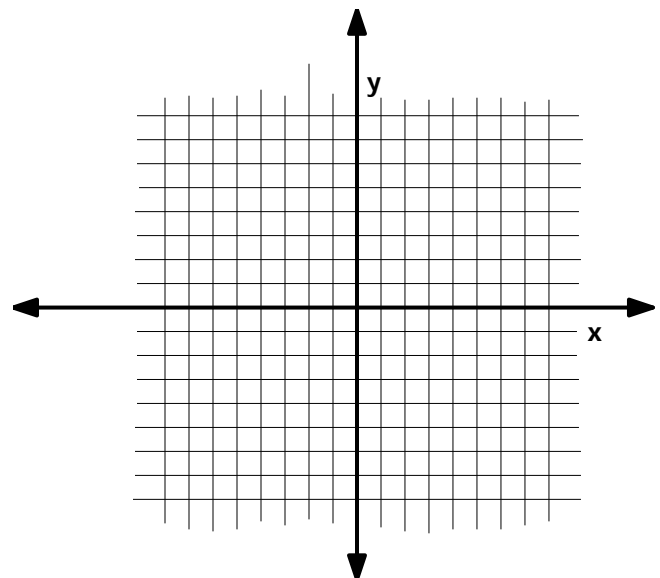
Using these points, determine if the following sets of points are **collinear**, **noncollinear**, **coplanar**, **and/or noncoplanar**. You should have two answers for each set of points!

A, B \_\_\_\_\_, \_\_\_\_\_

B, C \_\_\_\_\_, \_\_\_\_\_

B, C, D \_\_\_\_\_, \_\_\_\_\_

A, B, C \_\_\_\_\_, \_\_\_\_\_



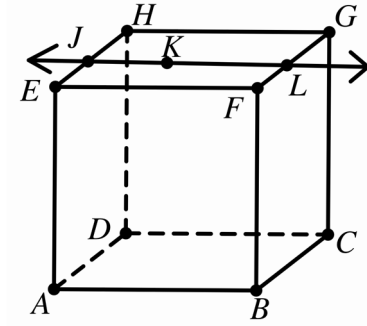
Target 1B & 1C

4. Use the picture below to answer the questions. (Target A, B, C)

Name 3 collinear points: \_\_\_\_\_

Name a plane \_\_\_\_\_

Name a line \_\_\_\_\_

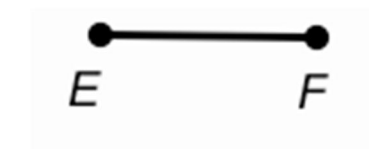
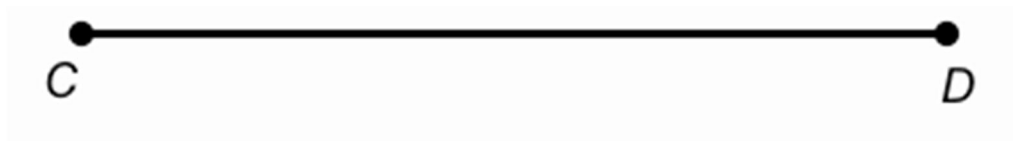
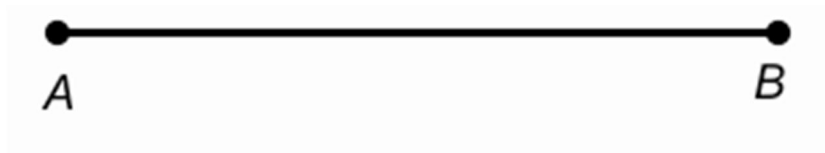


Name the intersection of ABCD and BCGF: \_\_\_\_\_

Name the intersection of  $\overleftrightarrow{JK}$  and  $\overleftrightarrow{FL}$  \_\_\_\_\_

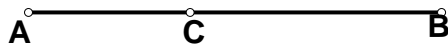
Target 1D

5. Measure each segment in inches and centimeters/millimeters.



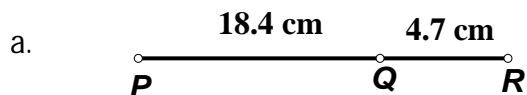
Target 1E

5. If  $AB = 20$  cm and  $CB = 2.6$  cm, find AC. (Target E)



AC = \_\_\_\_\_

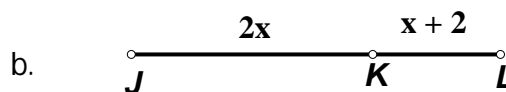
5. Find the measurement of each segment. **For b also find the value of  $x$ .**



equation:

PQ = \_\_\_\_\_ QR = \_\_\_\_\_

PR = \_\_\_\_\_



$JK = 2x, KL = x + 2, JL = 5x - 10$

equation:

$x =$  \_\_\_\_\_  $JK =$  \_\_\_\_\_

$KL =$  \_\_\_\_\_  $JL =$  \_\_\_\_\_

### Target 1F

6. If M is the midpoint of  $\overline{AB}$  and  $AB = 22$  ft, find AM and MB. (Hint: DRAW A PICTURE!)

AM = \_\_\_\_\_

MB = \_\_\_\_\_

7. If M is the midpoint of  $\overline{AB}$ , and  $AM = 3x + 17$ ;  $MB = 6x - 52$ , find  $x$ , AM, MB & AB. (Target F)

$x =$  \_\_\_\_\_  $AM =$  \_\_\_\_\_

MB = \_\_\_\_\_ AB = \_\_\_\_\_

### Target 1G & 1H

8. Find the distance and midpoint for each pair of points:

a. L (-7, 0) and M (5, 9)

Distance: \_\_\_\_\_

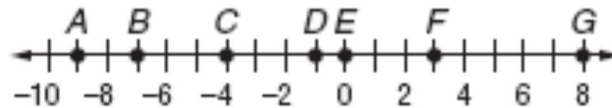
Midpoint: \_\_\_\_\_

b. P (-12, -7) and Q (-8, -4)

Distance: \_\_\_\_\_

Midpoint: \_\_\_\_\_

Use the given number line for questions 9 and 10.



9. Find the **measure** of the following segments.

AC = \_\_\_\_\_ BE = \_\_\_\_\_ DG = \_\_\_\_\_

10. Find the **midpoint** of the following segments.

AC = \_\_\_\_\_ BE = \_\_\_\_\_ DG = \_\_\_\_\_

**Target 1G**

11. If G (-4, 5), H (6, -3), and J (-8, 0) are connected to form a triangle, graph the points and find:

GH = \_\_\_\_\_

HI = \_\_\_\_\_

GJ = \_\_\_\_\_

Perimeter = \_\_\_\_\_

